

MATERIAL SAFETY DATA SHEET

MSDS Name: Viscor 1487
 Product Code: CF1487
 Suffix Number 0001
 MSDS Revision Date: 05-13-03
 Page Number: 1 of 6

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name: Viscor 1487
 CAS Number N/A - Mixture
 Hazard Rating: Health: 1 Fire: 2 Reactivity: 0 PPI:

Company Identification: Rock Valley Oil & Chemical Co.
 1911 Windsor Road
 Rockford IL 61111

Telephone/Fax: (815) 654-2400 (815) 654-2428
 Emergency Phone (Days Only): (815) 654-2400
 INFOTRAC (In-transit only) 800-535-5053 24 Hour
 Preparer Claude Ingrassia
 MSDS Coordinator

Product Class Calibration fluid
 Trade Name Viscor 1487
 Product Code CF1487

SECTION 2 - HAZARDOUS INGREDIENTS

Ingredient Name	CAS Number	Percent	TSCA
Petroleum hydrocarbon distillate HMIS Health: 1 Fire:2 Reactivity:0 PPI:	64742-47-8	40 - 70	Y
Light naphthenic hydrotreated distillates (petroleum) HMIS Health: 1 Fire:1 Reactivity:0 PPI:	64742-53-6	10 - 30	Y
Severely hydrotreated paraffinic hydrocarbons HMIS Health: 1 Fire:1 Reactivity:0 PPI:	64742-46-7	5 - 10	Y
Calcium salt of sulfonic acids, petroleum HMIS Health: 2 Fire:1 Reactivity:0 PPI:	Mixture	1 - 5	Y
Barium salt of sulfonic acids HMIS Health: 1 Fire:1 Reactivity:0 PPI:	Mixture	1 - 4	Y

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Additional Comments:

These ingredients are considered to be hazardous products under the OSHA Hazard Communication Standard (29 CFR 1910.1200). Their hazards are:

Combustible hazard.
Immediate (Acute) health hazard.
Delayed (Chronic) health hazard.

SECTION 3 - PHYSICAL DATA

Form: Liquid
Color: Light brown
Odor: Mild kerosine-like
pH Value: Not Available
Boiling Range/Point: 392.oF - 520.oF
Vapor Pressure (mmHg): Not Available
Vapor Density: Heavier than air

% Volatile By volume 46.%
Specific Gravity: 0.82077

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flammability Class IIIA
Flash Range/Point: 160.oF
Tag Closed Cup
Explosive Range: Not Available

EXTINGUISHING MEDIA:

Carbon Dioxide---Dry Chemical---Foam---Water Fog
Use water for cooling any material stored in the vicinity of the fire.

SPECIAL FIREFIGHTING PROCEDURES:

Use self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode. Avoid spreading burning liquid with water used for cooling purposes.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Vapors are heavier than air and may travel along the ground to an ignition source some distance from material handling point. Ignition sources include pilot lights, smoking, heaters, electric motors, sparks from electrical switches and static discharges. Mists or sprays may be flammable at temperatures below flash point.

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CAUTION: Never use cutting torch on empty containers! Residual solvent vapor in empty container may explode.

SECTION 5 - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

EYES:

Can cause mild irritation, redness, tearing, blurred vision.

SKIN:

Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis. Persons with pre-existing skin disorders be more susceptible to this product.

BREATHING:

Excessive inhalation of vapors and/or spraymist can cause respiratory irritation, dizziness, weakness, fatigue nausea, headache, unconsciousness and even asphyxiation.

SWALLOWING:

Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

FIRST AID:

EYES:

Flush with large amounts of water lifting eyelids occasionally. Get prompt medical attention.

SKIN:

Wash thoroughly with soap and water. Remove contaminated clothing promptly; wash clothing before reuse.

BREATHING:

Move affected person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention.

SWALLOWING:

DO NOT induce vomiting! Keep person warm, quiet and get medical attention. Aspiration of material into the lungs due to vomiting can

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cause chemical pneumonitis which can be fatal.

SECTION 6 - REACTIVITY DATA

Stability: This product is stable
Hazardous Polymerization: Hazardous polymerization will not occur

INCOMPATIBILITY

Avoid contact with strong acids or bases, oxidizing agents and selected amines.

CONDITIONS TO AVOID:

Keep away from heat, sparks and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS:

May form carbon monoxide, carbon dioxide, various hydrocarbons, etc.

SECTION 7 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

SMALL SPILL: Keep away from ignition sources (electrical, hot surfaces, etc.). Pick up spill with absorbent material.

LARGE SPILL: Contain spill to prevent entry into drains, sewers or waterways. Ventilate and keep traffic from area. Remove with absorbent material (or flush or vacuum) to closed container.

WASTE DISPOSAL METHOD:

Recovered material should be packaged, labeled, transported, disposed of or reclaimed in compliance with applicable laws and regulations and in conformance with good safety and engineering practices.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
Petroleum hydrocarbon distillate					
N/est	N/est		N/est	N/est	400.00 PPM
Light naphthenic hydrotreated distillates (petroleum)					
5.00 mg/M3	N/est		N/est	N/est	5.00 mg/M3
Severely hydrotreated paraffinic hydrocarbons					
5.00 mg/M3	N/est		10.00 mg/M3	N/est	N/est

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Calcium salt of sulfonic acids,
petroleum

5.00 mg/M3	N/est	10.00 mg/M3	10.00 mg/M3	5.00 mg/M3
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Barium salt of sulfonic acids

N/est	N/est	N/est	N/est	N/est
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PERMISSIBLE EXPOSURE LEVEL:

No exposure limit established for product.

For oil mists, OSHA and ACGIH recommend a TLV of 5mg/m3, 8 hour TWA.

For solvent vapors or mists, ACGIH recommends a TLV of 100 ppm per 8 hour day.

RESPIRATORY PROTECTION:

If the TLV of the product is exceeded, a NIOSH approved respirator is advised in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure. Select respirators based on form and concentration of contaminant in the air. Adhere to 29 CFR 1910.134.

VENTILATION:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV.

PROTECTIVE GLOVES:

Chemical/solvent resistant for prolonged contact.

EYE PROTECTION:

Chemical splash goggles in compliance with OSHA regulations are advised (consult your safety equipment supplier).

OTHER PROTECTIVE EQUIPMENT:

Boots, aprons, chemical resistant suits where deemed necessary to avoid contact during prolonged exposure.

SECTION 9 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Keep product away from heat, sparks, pilot lights, static electricity and open flame. Keep container closed.

OTHER PRECAUTIONS:

Employees must practice good personal hygiene, washing exposed skin several times daily and laundering contaminated clothing before reuse.

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ADDITIONAL COMMENTS:

DOT Hazard Classification: 3
DOT Shipping Name: Petroleum distillates, n.o.s.
Combustible liquid

DOT I.D. No: UN 1268

Packing Group: III

ERG #128

In accordance with 49 CFR 173.150 (f)(1), non-bulk quantities of this material (less than 119 gallons per container) may be shipped as non-regulated for USA domestic shipments.

The information presented herein is believed to be factual. It has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a legal warranty or representation for which the manufacturer bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine if they are appropriate.

SECTION 10 - ADDITIONAL REGULATORY INFORMATION

GLOSSARY

N/AV = Not Available; N/A = Not Applicable; N/D = Not Determined
N/est = Not established; TLV = Threshold Limit Value